

ABSTRACT OF THE DISCLOSURE

Kluyveromyces Strains Metabolizing Cellulosic and Hemicellulosic Materials

- 5 This invention relates to the use of microorganisms for the generation of ethanol from lignocellulosic waste materials. Yeast strains of the genus *Kluyveromyces* which have the capability to ferment cellulose, hexose sugars to ethanol are provided. Also provided are methods for converting cellulose, hexoses, or mixed hydrolysates of hexoses to ethanol by fermentation with *Kluyveromyces* strains. The invention also provides methods to isolate
10 yeast strains which metabolize cellulose, pentoses, or hemicelluloses from waste materials.